

**This Page is Inserted by IFW Indexing and Scanning  
Operations and is not part of the Official Record**

**BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- BLACK BORDERS**
- IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- FADED TEXT OR DRAWING**
- BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- SKEWED/SLANTED IMAGES**
- COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- GRAY SCALE DOCUMENTS**
- LINES OR MARKS ON ORIGINAL DOCUMENT**
- REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- OTHER: \_\_\_\_\_**

**IMAGES ARE BEST AVAILABLE COPY.**

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.

FORM PTO-1449		U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No. P24177	Application No. 10/663, 712
				Applicant Stephen PALM	
				Filing Date September 17, 2003	Group 2133

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5 4 6 3 3 8 2	10/31/95	NIKAS et al			
	5 3 7 7 1 8 8	12/27/94	SEKI			
	5 1 6 3 1 3 1	11/10/92	ROW et al			
DT	5 4 7 9 4 4 7	12/26/95	CIOFFI et al			
DI	4 6 7 9 2 2 7	07/07/87	HUGHES-HARTOGS			
	5 4 9 3 6 0 9	02/20/96	DAVIS et al			

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	NO
	0 9 7 4 2 0 2	01/26/00	E.P.O				
DT	0 8 2 0 1 6 8	01/21/98	E.P.O				
DT	9 8 / 1 0 5 4 5	03/12/98	W.I.P.O				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

DT	1	"ITU-T Recommendation V.8 bis ("Procedures for the Identification and Selection of Common Modes of Operation Between Data Circuit-Terminating Equipment (DCEs) and Between Data Terminal Equipments (DTEs) Over the General Switched Telephone Network and On Leased Point-to-Point Telephone-Type Circuits"), which was published by the International Telecommunication Union in August, 1996.
DT	2	An article by K. KRECHMER at pages 63, 64 and 66 of Data Communications, McGraw Hill, NY, Vol. 23, No. 2 (January 21, 1994), entitled "V.34 Modems: Off to a Fast Start?."
DT	3	An article by F. MESCAM, entitled "Introduction A La Procedure De Transmission HDLC", published at pages 69-73 of L'Onde Electrique, Vol. 53, No. 2 (February, 1973).
DT	4	An article by H. OHBA et al., entitled "End-to-End Protocol Based on CCITT X.25 and Its Implementation", published at pages 281-287 of Evolutions in Computer Communications, Kyoto September 26-29, 1978, International Conference On Computer Communication, Tokyo, Japan, Vol. CONF. 4, September 1978.

EXAMINER	DANIELSON	DATE CONSIDERED	7/16/04
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

Form PTO-1449		U.S. Department of Commerce Patent and Trademark Office			Atty. Docket No. P24177		Serial No. 10/663,712	
<p style="text-align: right;">O I P E</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)</p> <p style="text-align: right;">MAR 15 2004 PATENT &amp; TRADEMARK OFFICE C-34</p>					Applicant Stephen PALM			
					Filing Date September 17, 2003		Group 2133	
<b>U.S. PATENT DOCUMENTS</b>								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
		5 4 9 3 6 0 9	02/20/96	DAVIS et al.				
<b>FOREIGN PATENT DOCUMENTS</b>								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	NO
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>								
		1. ITU T Recommendation V.8 bis ("Procedures for the Identification and Selection of Common Modes of Operation Between Data Circuit-Terminating Equipments (DCEs) and Between Data Terminal Equipments (DTEs) Over the General Switched Telephone Network and On Leased Point to Point Telephone Type Circuits"), published by the International Telecommunication Union in August, 1996.						
		2. An article by K. KRECHMER at pages 63, 64 and 66 of <u>Data Communications</u> , McGraw Hill, NY, vol. 23, no. 2 (January 21, 1994), entitled: "V.34 Modems: Off to a Fast Start".						
EXAMINER		<i>Danielson</i>			DATE CONSIDERED		<i>9/16/04</i>	
<p>*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>								

FORM PTO-1449	S. Department of Commerce Patent and Trademark Office	Atty. Docket No. P24177	Application No. 10/663,712
O I P E INFORMATION DISCLOSURE STATEMENT BY APPLICANT JUN 03 2004 (Use several sheets if necessary)		Applicant Stephen PALM	
		Filing Date September 17, 2003	Group 2133

## **U.S. PATENT DOCUMENTS**

## **FOREIGN PATENT DOCUMENTS**

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

1 ITU-T Recommendation V.8 bis ("Procedures for the Identification and Selection of Common Modes of Operation Between Data Circuit-Terminating Equipments (DCEs) and Between Data Terminal Equipments (DTEs) Over the General Switched Telephone Network and On Leased Point-to-Point Telephone Type Circuits"), published by the International Telecommunication Union in August, 1996

EXAMINER *D. J. CLEM* DATE CONSIDERED

9/16/04

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Form PTO-1449		U.S. Department of Commerce Patent and Trademark Office				Atty. Docket No. P24177	Serial No. 10/663,712	
		INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				Applicant Stephen PALM		
						Filing Date September 17, 2003	Group 2236	
<b>U.S. PATENT DOCUMENTS</b>								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
		5 7 1 5 2 7 7	02/03/98	GOODSON et al.				
		5 4 9 3 6 0 9	02/20/96	DAVIS et al.				
<b>FOREIGN PATENT DOCUMENTS</b>								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
		0 8 2 0 1 6 8	01/21/98	E.P.O.				
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>								
<input checked="" type="checkbox"/>	1	ITU-T Recommendation V.8 bis ("Procedures for the Identification and Selection of Common Modes of Operation Between Data Circuit-Terminating Equipments (DCEs) and Between Data Terminal Equipments (DTEs) Over the General Switched Telephone Network and On Leased Point-to-Point Telephone-Type Circuits"), which was published by the International Telecommunication Union in August, 1996.						
<input checked="" type="checkbox"/>	2	An article by K. KRECHMER at pages 63,64 and 66 of Data Communications, McGraw Hill, N.Y., vol. 23, no. 2 (January 21, 1994).						
EXAMINER		<i>Davidson</i>			DATE CONSIDERED		9/16/04	
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.								

did not receive

Form PTO-1449		U.S. Department of Commerce Patent and Trademark Office					Atty. Docket No. P24177	Serial No. 10/663,712		
							Applicant Stephen PALM			
							Filing Date September 17, 2003	Group 2133		
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use several sheets if necessary)										
JAN 14 2004 U.S. PATENT DOCUMENTS										
EXAMINER INITIAL	SEARCHED INDEXED SERIALIZED FILED	DOCUMENT NUMBER			DATE	NAME		CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DT	OCT 14 2004	5	4	9	3	6	0	9	02/20/96	DAVIS et al.
DT	OCT 14 2004	6	0	0	2	7	2	2	12/14/99	WU
DT	OCT 14 2004	4	6	7	9	2	2	7	07/07/87	HUGHES-HARTOGS
DT	OCT 14 2004	5	4	7	9	4	4	7	12/26/95	CHOW et al.
DT	OCT 14 2004	5	6	4	4	5	7	3	07/01/97	JACOBSEN
DT	OCT 14 2004	5	4	6	3	3	8	2	10/31/95	NIKAS et al.
DT	OCT 14 2004	5	3	7	7	1	8	8	12/27/94	SEKI
DT	OCT 14 2004	5	3	4	9	6	3	5	09/20/94	SCOTT
DT	OCT 14 2004	4	8	9	7	8	3	1	01/30/90	NEGI et al.
DT	OCT 14 2004	5	3	1	1	5	7	8	05/10/94	BREMER et al.
DT	OCT 14 2004	6	2	0	5	2	0	8	03/20/01	DETLEFSEN et al.
DT	OCT 14 2004	6	1	4	1	3	5	4	10/31/00	NAKATSUGAWA
DT	OCT 14 2004	5	9	3	3	4	5	4	08/03/99	CIOFFI
DT	OCT 14 2004	5	6	3	3	8	9	0	05/27/97	AHMED
DT	OCT 14 2004	5	4	9	1	7	2	0	02/13/96	DAVIS et al.
DT	OCT 14 2004	5	3	7	1	5	3	4	12/06/94	DAGDEVIREN et al.
DT	OCT 14 2004	5	1	4	4	6	5	1	09/01/92	COOPER
DT	OCT 14 2004	4	9	5	3	2	1	0	08/28/90	MCGLYNN et al.
DT	OCT 14 2004	5	8	2	6	1	9	8	10/20/98	BERGINS et al.
DT	OCT 14 2004	6	0	4	4	1	0	7	05/28/00	GATHERER et al.
DT	OCT 14 2004	5	4	0	0	3	2	2	03/21/95	HUNT et al.
DT	OCT 14 2004	5	8	0	5	6	6	9	09/08/98	BINGEL et al.
DT	OCT 14 2004	5	9	0	3	6	0	8	05/11/99	CHUN
DT	OCT 14 2004	5	9	1	0	9	7	0	06/08/99	LU
DT	OCT 14 2004	5	6	6	8	8	5	7	09/16/97	McHALE
DT	OCT 14 2004	5	7	8	1	6	1	7	07/14/98	McHALE et al.
DT	OCT 14 2004	5	8	5	2	6	5	5	12/22/98	McHALE et al.
EXAMINER	<i>Danielson</i>					DATE CONSIDERED		9/16/04		

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449		U.S. Department of Commerce Patent and Trademark Office						Atty. Docket No. P24177		Serial No. 10/663,712	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several pages if necessary)								Applicant Stephen PALM			
								Filing Date September 17, 2003		Group 2133	
JAN 14 2004 U.S. PATENT DOCUMENTS											
EXAMINER INITIAL	SEARCHED	DOCUMENT NUMBER	DATE	NAME				CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
DT	5	4 1 0 3 4 3	04/25/95	CODDINGTON et al.							
DT	5	7 5 7 8 0 3	05/26/98	RUSSELL et al.							
DT	5	7 9 6 8 0 8	08/18/98	SCOTT et al.							
DT	5	7 5 1 9 1 4	05/12/98	COLEY et al.							
DT	5	4 4 8 5 6 6	09/05/95	RICHTER et al.							
DT	5	1 6 3 1 3 1	11/10/92	ROW et al.							
DT	4	6 8 0 7 7 3	07/14/87	AMUNDSON							
DT	5	4 6 3 6 6 1	10/31/95	MORAN III et al.							
DT	5	7 1 5 2 7 7	02/03/98	GOODSON et al.							
DT	5	6 0 8 7 6 4	03/04/97	SUGITA et al.							
DT	5	6 8 2 4 1 9	10/28/97	GRUBE et al.							
DT	5	3 2 1 7 2 2	06/14/94	OGAWA							
DT	5	9 1 2 9 2 1	06/15/99	WARREN et al.							
DT	6	0 6 4 6 9 3	05/16/00	OLIVER et al.							
DT	5	2 8 0 5 8 6	01/18/94	KUNTZ et al.							
DT	5	4 6 3 6 6 1	10/31/95	MORAN et al.							
DT	6	0 5 5 2 6 8	04/25/00	TIMM et al.							
EXAMINER	<i>Davidson</i>						DATE CONSIDERED		9/16/04		

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. Department of Commerce Patent and Trademark Office				Atty. Docket No. P24177	Serial No. 10/663, 712																																		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use separate sheets if necessary)				Applicant Stephen PALM																																			
				Filing Date September 17, 2003	Group 2133																																		
<p style="text-align: center;"><b>JAN 14 2004</b> <b>U.S. PATENT DOCUMENTS</b></p> <table border="1"> <thead> <tr> <th>EXAMINER INITIAL</th> <th>DOCUMENT NUMBER</th> <th>DATE</th> <th>NAME</th> <th>CLASS</th> <th>SUBCLASS</th> <th colspan="2">FILING DATE IF APPROPRIATE</th> </tr> </thead> <tbody> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>								EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE																									
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE																																	
<b>FOREIGN PATENT DOCUMENTS</b>																																							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES      NO																																	
9 8 / 1 0	5 1 5 / 03/12/98	W.I.P.O.	Duplicate																																				
DT 0 9 7 4	2 0 2 / 01/26/00	E.P.O.																																					
- 0 8 2 0	1 6 8 / 01/21/98	E.P.O.	Duplicate																																				
- 0 9 7 4	2 0 2 / 01/26/00	E.P.O.	Duplicate																																				
9 9 / 3 5 7 5 6	07/15/99	W.I.P.O.																																					
9 9 / 4 9 2 2 9	2 2 9	W.I.P.O.	did																																				
4 6 - 9 7 9 8 0	04/08/94	JAPAN	not																																				
+ 0 7 5 2 7 9	03/17/98	JAPAN	receive																																				
DT 2 0 2 7	2 3 0	04/18/95	CANADA																																				
DT 2 1 1 1	5 4 3 /	06/18/94	CANADA																																				
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>																																							
	1 English Language Abstract of JP 6-97980.	} did not receive																																					
	2 English Language Abstract of JP 10-75279.	} did not receive																																					
	3 ITU-T Recommendation V.8 bis ("Procedures for the Identification and Selection of Common Modes of Operation Between Data Circuit-Terminating Equipments (DCEs) and Between Data Terminal Equipments (DTEs) Over the General Switched Telephone Network and On Leased Point-to-Point Telephone-Type Circuits"), published by the International Telecommunication Union in August, 1996.																																						
	4 An article by F. MESCAM, entitled "Introduction A La Procedure De Transmission HDLC", published at pages 69-73 of L'Onde Electrique, vol 53, no 2 (February, 1973).																																						
EXAMINER	<i>Davidson</i>			DATE CONSIDERED	<i>9/16/04</i>																																		

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449		U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. P24177	Serial No. 10/663,712
<b>INFORMATION DISCLOSURE STATEMENT</b> BY APPLICANT (Use several sheets if necessary)		Applicant Stephen PALM		
		Filing Date September 13, 2003	Group 2133	
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>				
<p><i>O I P E</i></p> <p>JAN 15 2004</p> <p>PATENT &amp; TRADEMARK OFFICE U.S. CO.</p> <p>An article by H. OHBA et al., entitled "End to End Protocol Based On CCITT X.25 and Its Implementation", published at pages 281-287 of <i>Evolutions In Computer Communications</i>, Kyoto September 26-29, 1978, International Conference On Computer Communication, Tokyo, Japan, vol. CONF. 4, September 1978.</p> <p>6 An article by K. KRECHMER at pages 63, 64 and 66 of <i>Data Communications</i>, McGraw Hill, NY, vol. 23, no. 2 (January 21, 1994), entitled "V.34 Modems: Off to a Fast Start?".</p> <p>DT 7 An article published in the periodical, "Nikkei Communications", Vol. 252, August 18, 1997, pages 80-89.</p> <p>DT 8 ITU-T recommendation G.994.1 ("Handshake Procedures For Digital Subscriber Line (DSL) Transceivers"), published by the International Telecommunication Union in February, 2001.</p>				
<p>EXAMINER <i>Davidson</i> DATE CONSIDERED <i>9/16/04</i></p> <p>*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>				

37, www.zet.com

Davidson

**DATE CONSIDERED**

9/16/04

**\*EXAMINER:** Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.